

EEEEEEEEE XX XX AAAAAAA MM MM PPPPPPPP LL EEEEEEEEEE SSSSSSS
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FILEID**MAILUAF

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MM	MM	AA	AA	II	UU	AA	FF
MM	MM	AA	AA	II	UU	AA	FF
MM	MM	AA	AA	II	UU	AA	FF
MM	MM	AAAAAAA	II	LL	UU	AAAAAAA	FF
MM	MM	AAAAAAA	II	LL	UU	AAAAAAA	FF
MM	MM	AA	AA	II	UU	AA	FF
MM	MM	AA	AA	II	UU	AA	FF
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MAILUAF.COM - Modify SYSSYSTEM:VMSMAIL.DAT

ABSTRACT: Sample command procedure to modify
SYSSYSTEM:VMSMAIL.DAT

This command procedure will prompt the user for a command. The valid commands are:

ADD username	- Add a new user to SYSSYSTEM:VMSMAIL.DAT
CANCEL username	- Cancel mail forwarding for username
EXIT	- Exit from this procedure
HELP	- Type help message
MODIFY username	- Modify mail forwarding address for username
REMOVE username	- Remove username from SYSSYSTEM:VMSMAIL.DAT
SHOW username	- Display mail information about username
LIST	- List forwarding addresses for all users

**REQUIRED PRIVILEGES:
BYPASS**

IMPLICIT OUTPUT:
SYSSYSTEM:VMSMAIL.DAT will be created if it does not exist.

```
$ !--  
$ if = "IF"  
$ inquire = "INQUIRE"  
$ open = 'OPEN'  
$ goto = 'GOTO'  
$ write = 'WRITE'  
$ create = "CREATE"  
$ type = "TYPE"  
$ read = 'READ'  
$ close = "CLOSE"  
$ exit = 'EXIT'  
$ ask = "inquire/nopunctuation"  
$ prev_priv = f$setprv("SYSPRV")  
$ sysmai = "SYSSYSTEM:VMSMAIL.DAT"  
$ open /share=write /read /write /error=no_file f1 'sysmai'  
$ goto file_open  
$no_file:  
$ write sys$output sysmai," not found...creating new file"  
$ create /fdl=sys$input 'sysmai' !Create new VMSMAIL.DAT  
IDENT VMS MAIL Information data file
```

FILE

ALLOCATION 10
BEST TRY CONTIGUOUS yes
BUCKET_SIZE 2

CONTIGUOUS no
EXTENSION 10
GLOBAL_BUFFER_COUNT 0
ORGANIZATION indexed
OWNER [001,004]
PROTECTION (system:RWE, owner:RWE, group:, world:)

RECORD

BLOCK_SPAN yes
CARRIAGE_CONTROL none
FORMAT variable
SIZE 0

AREA 0

ALLOCATION 10
BEST_TRY_CONTIGUOUS yes
BUCKET_SIZE 2
CONTIGUOUS no
EXTENSION 10

KEY 0

CHANGES no
DATA_KEY_COMPRESSION yes
DATA_RECORD_COMPRESSION yes
DATA_AREA 0
DATA_FILL 100
DUPLICATES no
INDEX_AREA 0
INDEX_COMPRESSION yes
INDEX_FILL 100
LEVELT_INDEX_AREA 0
NULL_KEY no
PROLOGUE 3
SEGO_LENGTH 31
SEGO_POSITION 0
TYPE string

\$ open /share=read /read /write f1 'sysmai'

\$file_open:
\$ on control_y then goto done

\$!
\$! Main loop. Get command and username then dispatch

\$!
\$do_command:
\$ ask line 'MAILUAF> ''
\$ line:='line'
\$ if line .eqs. "" then goto done
\$ t1 = f\$locate(" ",line)
\$ command = f\$extract(0,t1,line)
\$ user = f\$extract(t1+1,31,line)
\$ if f\$locate(command,'HELP') .eq. 0 then goto help_user
\$ if f\$locate(command,'EXIT') .eq. 0 then goto done
\$ if f\$locate(command,'LIST') .eq. 0 then goto list_users
\$ if user .eqs. "" then goto syntaxerr
\$ fulluser[0,31]:='user'
\$ if f\$locate(command,'ADD') .eq. 0 then goto add_user
\$ if f\$locate(command,'CANCEL') .eq. 0 then goto cancel_user

```
$ if f$locate(command,"MODIFY") .eq. 0 then goto modify_user
$ if f$locate(command,"REMOVE") .eq. 0 then goto remove_user
$ if f$locate(command,"SHOW") .eq. 0 then goto show_user
$help_user:
$ type sys$input:
ADD username          Add a new user
CANCEL username       Cancel forwarding for a user
EXIT                  Exit from MAILUAF
HELP                  Type this
MODIFY username       Modify forwarding address for a user
REMOVE username        Remove a user completely
SHOW username         Show MAIL information about user
LIST                  List forwarding addresses for all users in VMSMAIL.DAT

$ goto do_command
$add_user:
$ read /index=0 /err=add_10 /key="**fulluser**" f1 record
$ write sys$output "User ",user," record already exists"
$ goto do_command
$add_10:
$ s1="record"
$ if f$length(s1) .ne. 0 then $ delete/symbol record
$ record[0,31]:='user'
$ record[248,288]=0
$ ask address "Forwarding address? "
$ t1 = f$length(address)
$ record[536,8]='t1'
$ record[68,'t1']:= 'address'
$ write f1 record
$ write sys$output "User ",user," added"
$ goto do_command
$cancel_user:
$ read /index=0 /err=nosuchuser/key="**fulluser**" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ address := 'address'
$ naddress = f$extract(0,addr_length,address)
$ t2 = f$length(address)
$ t2 = 't2' - 'addr_length'
$ if addr_length .eq. 0 then goto show_10
$ write sys$output "User ",user," forwarding address is ",naddress
$ ask yn "Cancel mail forwarding? "
$ if .not. yn then goto do_command
$ record[536,8]=0
$ record[68,255] := "****f$extract(68+addr_length,255-addr_length,record)***"
$ record = f$extract(0,68+'t2',record)
$ write /update f1 record
$ goto do_command
$list_users:
$ close f1
$ open /share=write,/read /write f1 'sysmai'
$ write sys$output ""
$ write sys$output "Username"
$ write sys$output "-----"
$list_10:
```

Forwarding address:

```
$ read /end=do_command f1 record
$ user = f$extract(0,31,record)
$ addr_length = f$cvui(67*8,8,record)
$ address = f$extract(68,255,record)
$ address := 'address'
$ address = f$extract(0,addr_length,address)
$ write sys$output user,"",address
$ goto list_10
$ goto do_command
$modify user:
$ read ?index=0 /err=nosuchuser /key="''fulluser''" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ naddress = f$extract(0,addr_length,address)
$ t2 = f$length(address)
$ if addr_length .ne. 0 then goto xx1
$ write sys$output "User ",user," does not have forwarding enabled"
$ goto xx2
$xx1:
$ write sys$output "Current forwarding address is ",naddress
$xx2:
$ ask naddress 'New forwarding address? '
$ if naddress .eqs. "" then goto do_command
$ address = f$extract(addr_length,t2-addr_length,address)
$ t1 = f$length(naddress)
$ record[536,8]='t1'
$ record[68,255]:="''naddress''"address"
$ record = f$extract(0,68+t1+t2,record)
$ write /update f1 record
$ write sys$output "User ",user," modified"
$ goto do_command
$nosuchuser:
$ write sys$output "User ",user," record does not exist"
$ goto do_command
$remove user:
$ read ?index=0 /err=nosuchuser/key="''fulluser''" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ address := 'address'
$ if addr_length .eq. 0 then goto xx0
$ address = f$extract(0,addr_length,address)
$ write sys$output "User ",user,", forwarding address is ",address
$ goto xx9
$xx0:
$ write sys$output "User ",user," does not have forwarding enabled"
$xx9:
$ ask yn 'Remove? '
$ if .not. yn then goto do_command
$ read /index=0/key="''fulluser''" /delete f1 record
$ goto do_command
$show user:
$ read /index=0 /err=nosuchuser /key="''fulluser''" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ fnmlng=f$cvui(66*8,8,record)
$ dirlng=f$cvui(65*8,8,record)
```

```
$ address := 'address'
$ full_name := f$extract(68+addr_length,fnmlng,record)"""
$ dir_spec = f$extract(addr_length+fnmlng,dirlng,address)
$ if dirlng .eq. 0 then goto no_dir
$ write sys$output "User ",user,", MAIL subdirectory is ",dir_spec
$ goto test_full_name
$no_dir:
$ write sys$output "User ",user," did not specify a MAIL subdirectory"
$test_full_name:
$ if fnmlng .eq. 0 then goto no_pers_name
$ write sys$output "User ",user,", MAIL personal name is ",full_name
$ goto check_forward
$no_pers_name:
$ write sys$output "User ",user," does not have a MAIL personal name."
$check_forward:
$ if addr_length .eq. 0 then goto show 10
$ address = f$extract(0,addr_length,address)
$ write sys$output "User ",user,", forwarding address is ",address
$ goto do_command
$show 10:
$ write sys$output "User ",user," does not have forwarding enabled"
$ goto do_command
$syntaxerr:
$ write sys$output "Command syntax error"
$ goto do_command
$done:
$ close f1
$ prev_priv = f$setprv(prev_priv)
$ exit
```

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VAX/VMS V4.0

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